

Abstract of the Invention

A vacuum generator that is coupled to a double-walled fuel supply piping internal to a fuel dispenser that carries the fuel from the underground storage tank to the hose and nozzle of the fuel dispenser. The double-walled fuel supply piping contains an inner piping that carries the fuel. An interstitial space is formed by the space between the inner piping and an outer piping that surrounds the inner piping to capture any leaked fuel from the inner piping. The interstitial space is coupled to a vacuum created by the vacuum generator to determine if a leak exists in the interstitial space. The vacuum generator may be a standalone unit or may be a submersible turbine pump that also pumps fuel from the underground storage tank to the fuel dispenser.